

SKANSKA



# Honolulu Rail Transit Project

SKANSKA



## Introduction

- Lloyd Smith
- Michael Cherry
- George Hanible
- Brian Stieritz
- Len Dempsey
- Cedric Ota
- Eugene Kumasaki

# SKANSKA



**CONSTRUCTION LEADERS**



**HAWAIIAN DREDGING**  
CONSTRUCTION COMPANY, INC.

# Project Overview

20 Miles with 21 Stations



# Project Overview

- 20 Miles with 21 Stations
- 116,000 average weekday ridership
- 40,000 fewer vehicles on the road each weekday
- Approximately 10,000 jobs each year will be attributed to rail construction
- Rail will be Hawaii's single-largest job creator
- Fosters transit-oriented development
- Reduces pollution and dependence on imported fossil fuel
- An electrically powered system making the most of renewable energy sources will helping the state achieve its goal of 70% clean energy by 2030





## Why this team?

- Rail project experience
- Local presence
- Financial strength
- High quality and safety record
- Committed to local participation

**SKANSKA**



**CONSTRUCTION LEADERS**



## Overview of Skanska

- Over 8,300 employees in the U.S. (53,000 worldwide)

## 39 Regional Offices

- Northeast, Southeast, Midwest, Rocky Mountain District, West

## Markets

- Bridges, Industrial, Mining, Marine/Ports, Power, Rail/Transit, Road/Highways, Underground Tunnels, Waste/Wastewater

## ENR Rankings:

- **#7** Largest Contractor in the U.S
- **#4** Mass Transit & Rail

# SKANSKA

# Expo Phase II Light Rail Project

Value: \$541 million

Location: Los Angeles, CA

Approximately 6.6 miles long, paralleling Interstate 10 (I-10) in a dual track configuration with seven stations requiring 55,000 cubic yards of concrete and over 9.5 million pounds of rebar. Work included removal of the existing tracks, utility relocation as well as maintenance of traffic, and dust and noise mitigation.

With ridership projected at 64,000, Expo Phase II would be one of the nation's most used light rail systems.





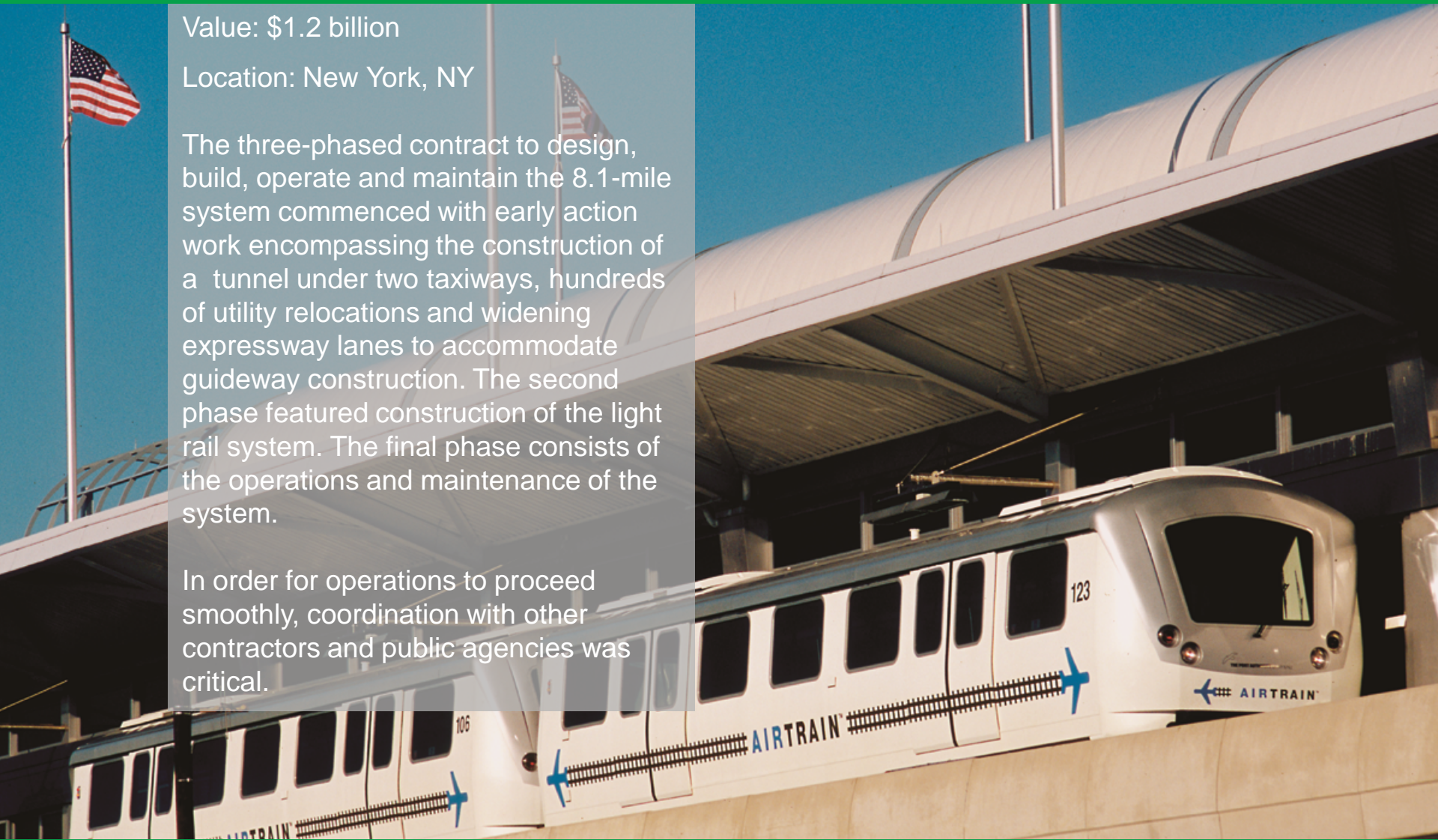
# JFK AirTrain

Value: \$1.2 billion

Location: New York, NY

The three-phased contract to design, build, operate and maintain the 8.1-mile system commenced with early action work encompassing the construction of a tunnel under two taxiways, hundreds of utility relocations and widening expressway lanes to accommodate guideway construction. The second phase featured construction of the light rail system. The final phase consists of the operations and maintenance of the system.

In order for operations to proceed smoothly, coordination with other contractors and public agencies was critical.





## Overview of PCL

- Over 4,000 full-time employees and 6,500+ hourly tradespeople

## 30 Major Offices

- US: 17 major offices
- Canada: 12 major offices
- Australia: 1 major offices

## Markets

- Transportation Infrastructure - Bridges, Road/Highways, Rail/Transit, Airports, Ports, Heavy Industrial - Power, Oil, Gas, Mining/Minerals, Pulp and Paper, Waste/Wastewater Infrastructure, Commercial Buildings

## ENR Rankings:

- **#5** Top 400 Contractors
- **#7** Bridges
- **#12** Transportation
- **#2** General Building
- **#9** Top Green Contractors



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# Central Link Light Rail

Value: \$280 million

Location: Seattle, WA

Nearly five miles of precast segmental guideway founded on drilled shafts and about one mile of at-grade guideway. It includes one station with a park-and-ride facility, direct fixation track construction, systems integration, roadway corridor modifications, utility relocations, associated infrastructure and landscaping.

This project exemplifies PCL's strong, collaborative relationships with owners and its ability to construct aerial guideways in an urban areas and complex elevated station structures.





# South 200<sup>th</sup> Link Extension



Value: \$169 million

Location: SeaTac, WA

Designing and building 1.6 miles of double-track light rail transit on an elevated guideway, including a new passenger station, transit systems and associated civil infrastructure improvements, in order to expand the airport's existing light rail system.

The project includes two long-span bridges in the airport's surrounding area designed to minimize traffic disruption during construction and Sound Transit's first passenger station incorporating on-site photovoltaic energy generation to help meet sustainability goals.



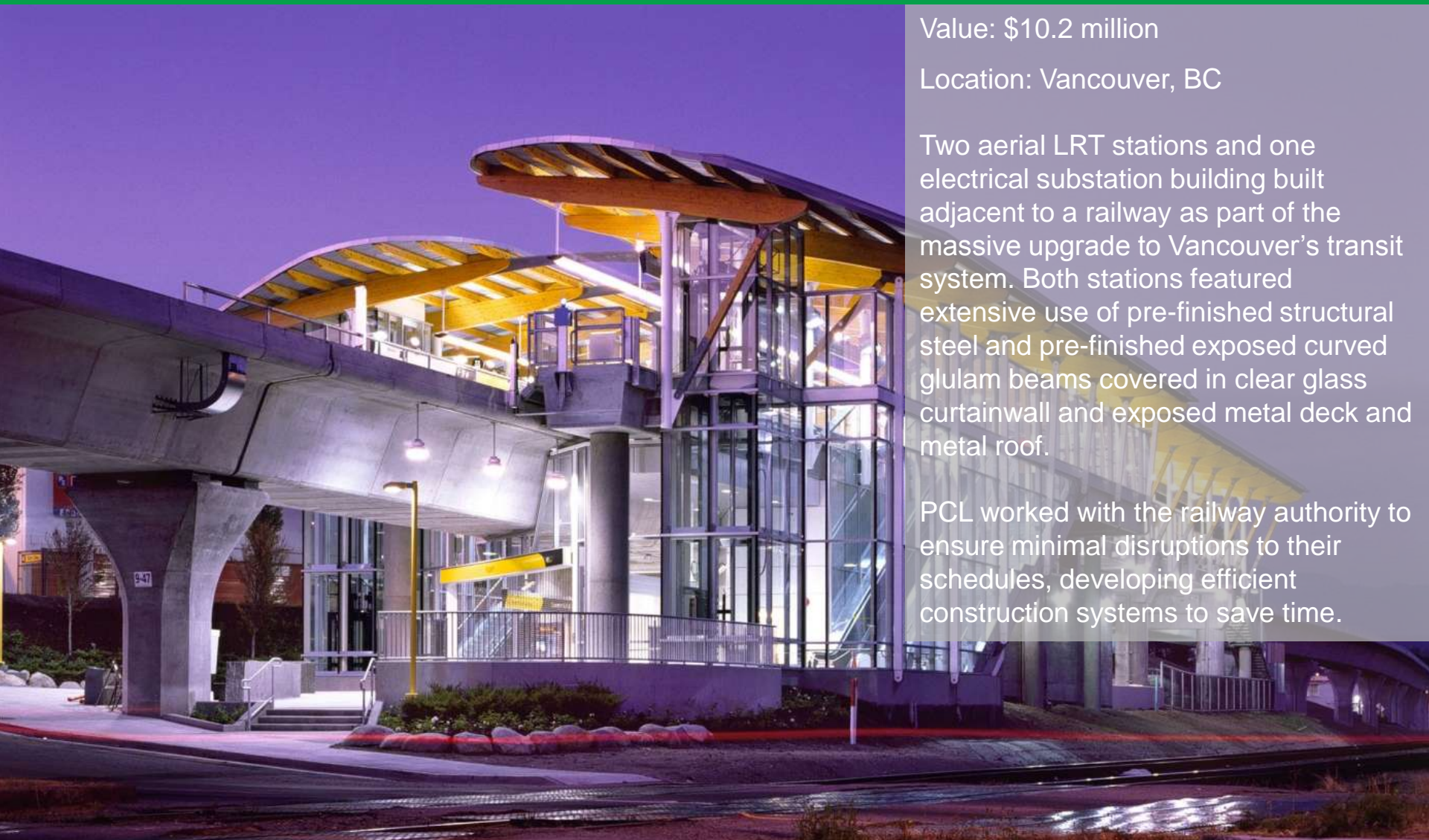
# Rupert and Renfrew Stations, Rapid Transit 2000 Project

Value: \$10.2 million

Location: Vancouver, BC

Two aerial LRT stations and one electrical substation building built adjacent to a railway as part of the massive upgrade to Vancouver's transit system. Both stations featured extensive use of pre-finished structural steel and pre-finished exposed curved glulam beams covered in clear glass curtainwall and exposed metal deck and metal roof.

PCL worked with the railway authority to ensure minimal disruptions to their schedules, developing efficient construction systems to save time.



## **Overview of Hawaiian Dredging**

— Over 870 employees in Hawaii

## **Corporate Office in Honolulu, Hawaii**

### **Markets**

— Road/Highways, Bridges, Sitework, Foundations, Power and Industrial, Major Utilities, Underground Distribution, Urban and Rural Infrastructure, Government Contracts, Mid and High Rise Commercial and Residential, Harbors and Piers, Waste/Wastewater

## **Top 25 Contractors in Hawaii, as ranked by Building Industry Magazine,**

— Ranked #1 for the last eight consecutive years



**HAWAIIAN DREDGING**  
**CONSTRUCTION COMPANY, INC.**



# Kahoma Stream Bridge



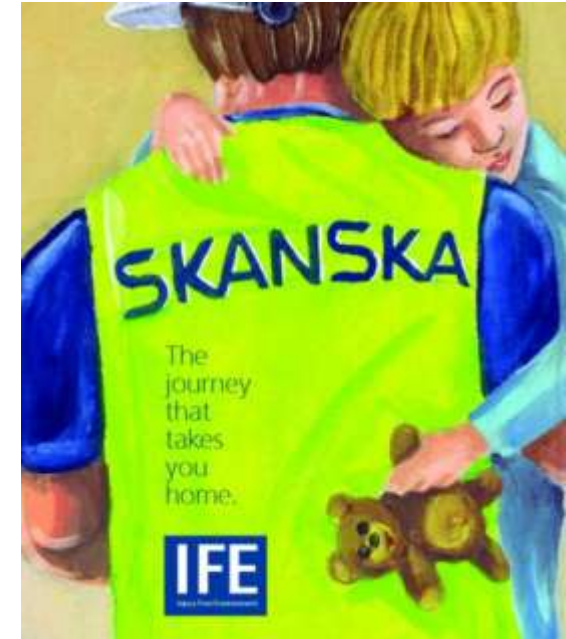
Value: \$80 million

Location: Lahaina, HI

Part of a 1½-mile design-build project consisting of a new bypass roadway and two new bridges, including over 950,000 cy of earthwork and 15,000 lf of utility infrastructure work. Over 31,000 cy of concrete and more than 4.3 million pounds of reinforcing steel were installed with extensive concrete retaining walls. The award-winning 360-foot long Kahoma Stream Bridge is a unique curved two-lane structure that utilizes an inverted tier arch design. The project offers daily traffic relief with access to the local high school and also emergency access during times of crisis.



# Safety



Skanska reinforces our ongoing safety efforts with an annual Safety Week, which has grown to be the largest safety event in the world. Our company is committed to IFE™, an Injury Free Environment.

Find out more at [www.injuryfreeenvironment.com](http://www.injuryfreeenvironment.com)

# Subcontractor Opportunities

We encourage local and MWDB firms to register with our team. As the project moves forward, we will contact you starting March 2014 with information regarding:

- Pre-bid meetings,
- Bid packages being issued
- Deadlines,
- Walkthrough meetings
- Award dates

Interested subcontractors and suppliers should register now via:  
[www.usa.skanska.com/HonoluluLRT](http://www.usa.skanska.com/HonoluluLRT)  
Or call: 877 890-5995



# Subcontractor Opportunities

- Demolition
- Sitework
- Earthwork
- Concrete Work
- Masonry
- Structural Steel
- Arch. & Misc. Metals
- Doors
- Frames & Hardware
- Glass & Glazing
- Gypsum Board Assembly
- Acoustical Panels





# Subcontractor Opportunities

- Finishes
- Furnish Concrete Material
- Furnish Steel Material
- Furnish/Deliver Stone
- Sand
- Select Fill
- Utilities – Manholes
- Water Pipe
- Manhole Castings
- MPT Supplies
- Furnish reinforcing steel
- Temporary Fence Panels



# Subcontractor Opportunities

- Dumpsters
- Specialties & Special Construction
  - Mechanical (HVAC)
  - Plumbing
  - Fire Protection
  - Electrical & Security
- Existing Soil Disposal
- Hazardous Material Abatement
- Thermal & Moisture Protection
- Install Reinforcing Steel Material



# Register here:

Honolulu Authority for Rapid Transit •

Search this site...

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The Right Team

Interested Firms

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Information

Bidding Opportunities

Reference Materials

Bid Packages

Private Team Site


Recycle Bin

All Site Content

## The Right Team


# SKANSKA

**Skanska USA Civil West California District Inc.** formerly operating as E.L. Yeager, has been providing high quality heavy civil and highway construction services in California since 1919. Skanska's California District is a fully integrated division of Skanska USA Civil, Inc. combining the national resources of Skanska with the local experience and resources of our California District. Globally, Skanska is a leading project development and construction company with strong expertise in design-build partnerships and performing construction services on infrastructure projects, such as roadway, bridge, mass transit, environmental, and water treatment.



**CONSTRUCTION LEADERS**

PCL provides construction services for complex transportation infrastructure projects such as bridge replacement and rehabilitation, tunnels, interchanges, and rail and transit. For over a quarter century, PCL has delivered some of the country's most significant and technically challenging projects, including cable-stayed, segmental, and movable bridges. PCL's civil construction operations are strategically located across North America to meet the continent's growing transportation needs.



Hawaiian Dredging Construction Company dredged the main channel into the Pearl Harbor Naval Base as our first project. Since then we have built many of Hawaii's most significant projects including highways and other civil project work, waterfront and industrial projects, resort hotels, highrise condominiums, office buildings, housing and retail centers. We offer clients the most cost-effective construction services in the islands.

**We Want to hear from your firm!**  
Discover opportunities to work with our team: [Contact Us](#)

[www.usa.skanska.com/HonoluluLR](http://www.usa.skanska.com/HonoluluLR)



Questions?

Thank You